

FIG. 1

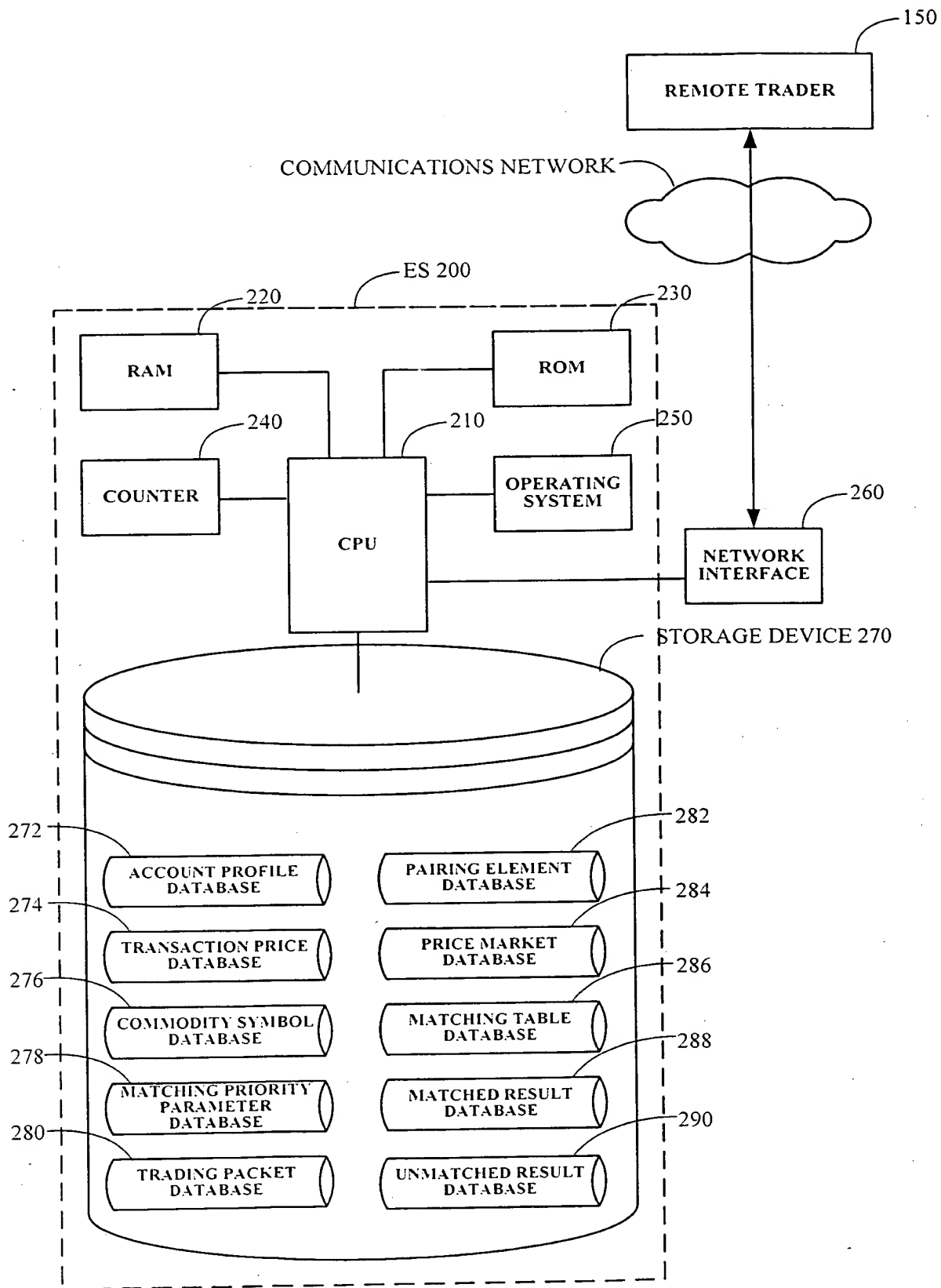


FIG. 2

The diagram illustrates a trading system architecture and its operational flow. At the top, a **REMOTE TRADER 150** is connected to a **COMMUNICATIONS NETWORK**, represented by a cloud icon. A dashed line labeled **RSM 300** separates the network layer from the processing steps below. The process flow consists of the following steps:

- 310** RECEIVING IDENTIFICATION AND SECURITY PASSWORD FROM A REMOTE TRADER
- 320** AUTHENTICATING A REMOTE TRADER, IF INVALID THEN DENY LOGIN REQUEST
- 330** ISSUING A TRADING REQUEST FORM TO A REMOTE TRADER
- 340** RECEIVING A PACKET OF TRADING REQUESTS FROM A REMOTE TRADER
- 350** VALIDATING EACH TRADING REQUEST OF A PACKET, REQUIRING A REMOTE TRADER TO RE-SUBMIT TRADING REQUESTS IF INVALID
- 360** GENERATING A PAIRING ELEMENT BY ASSOCIATING A SEQUENCE NUMBER TO EACH TRADING REQUEST

FIG. 3

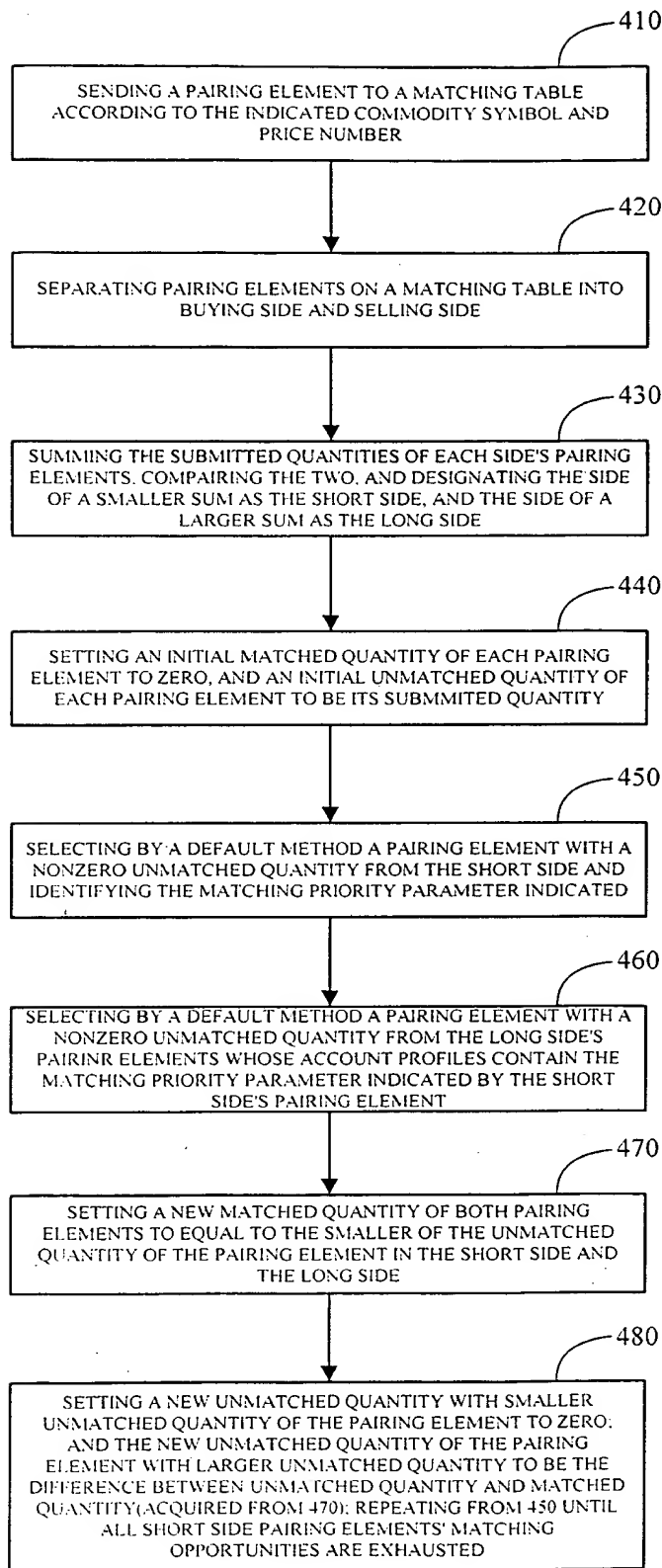


FIG. 4

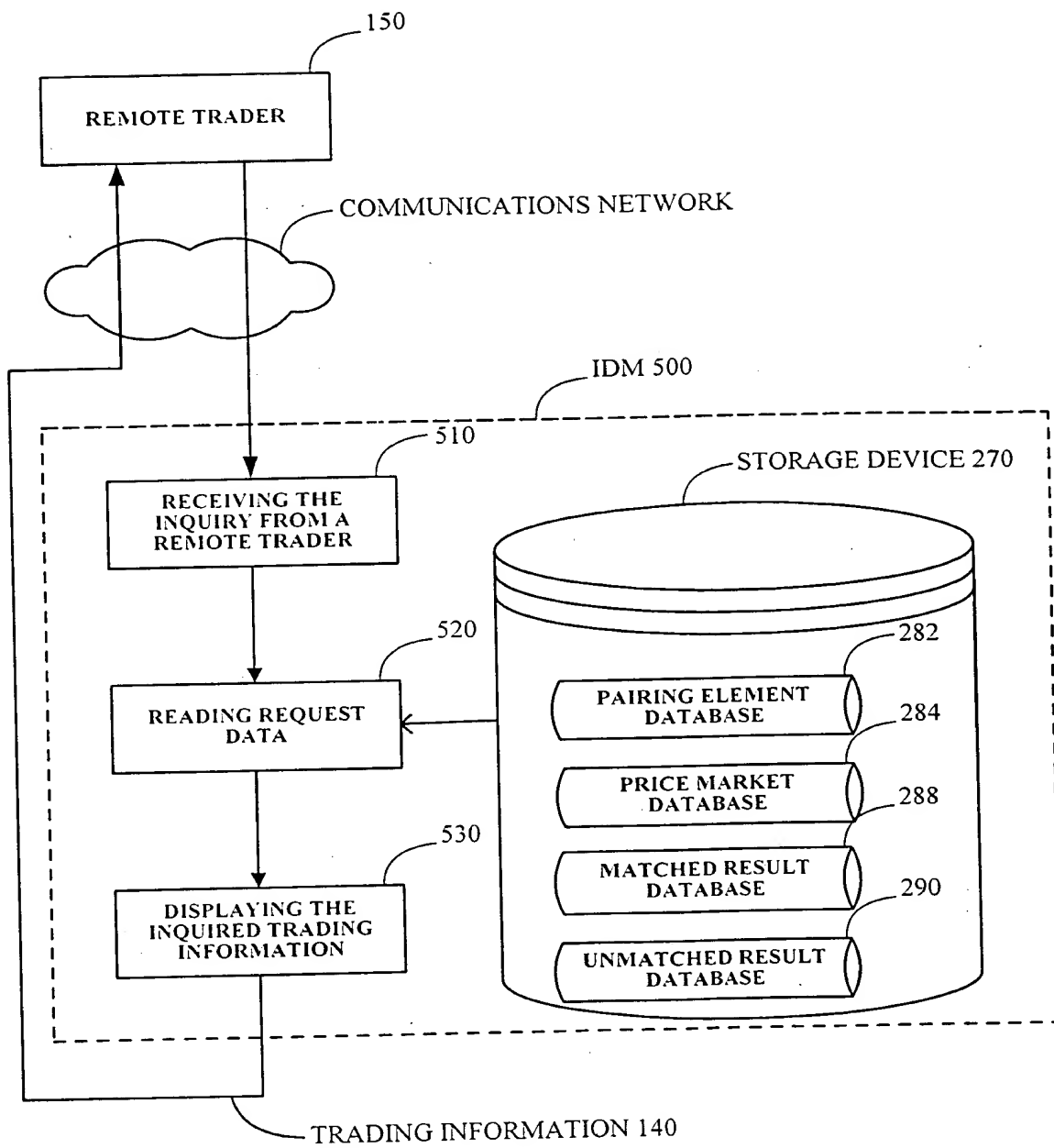


FIG. 5

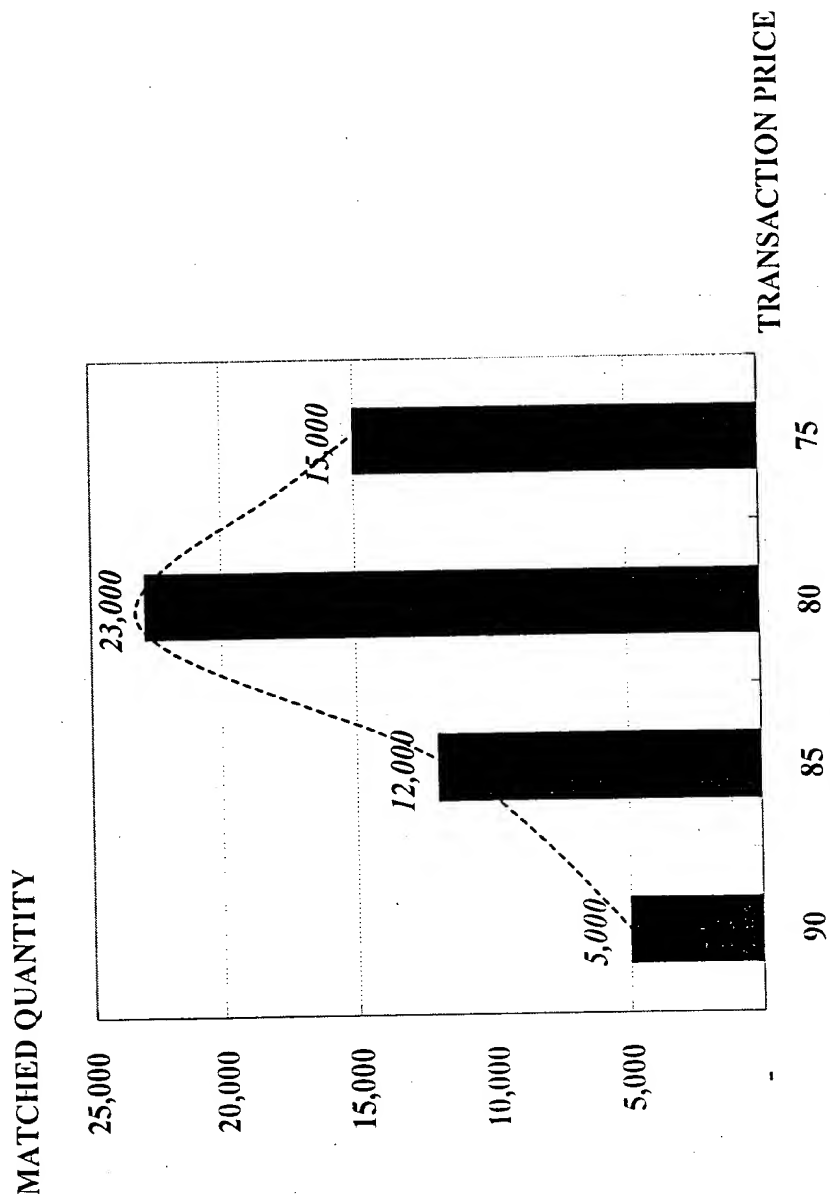


FIG. 6

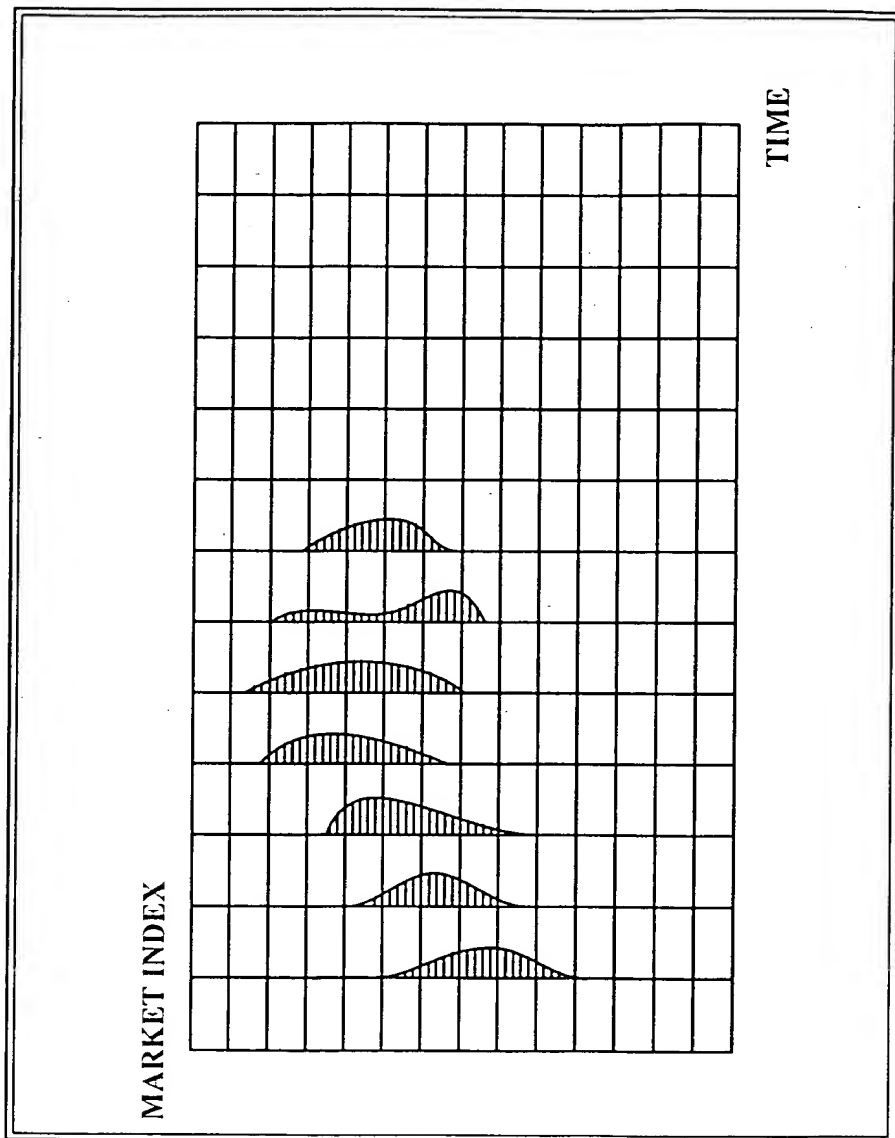


FIG. 7